

RAW SEQUENCE LISTING

ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/653,755

Source: 1648

Date Processed by STIC: 12/4/2000

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TECH CENTER 1600, 2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/653,955

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----|---------------------------------------|--|
| 1 | ____ Wrapped Nucleic | The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 2 | ____ Wrapped Aminos | The amino acid-number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 3 | ____ Incorrect Line Length | The rules require that a line not exceed 72 characters in length. This includes spaces. |
| 4 | ____ Misaligned Amino Acid Numbering | The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers. |
| 5 | ____ Non-ASCII | This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed. |
| 6 | ____ Variable Length | Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. |
| 7 | ____ PatentIn ver. 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 8 | ____ Skipped Sequences (OLD RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9 | ____ Skipped Sequences (NEW RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 10 | ____ Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 11 | ____ Use of <213>Organism (NEW RULES) | Sequence(s) ____ are missing this mandatory field or its response. |
| 12 | ____ Use of <220>Feature (NEW RULES) | Sequence(s) <u>8</u> are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) |
| 13 | ____ PatentIn ver. 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk. |

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J. PARKIN

Page 1 of 7

1648

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/653,755

DATE: 12/04/2000
TIME: 14:14:25

Input Set : A:\Mab4g10.app
Output Set: N:\CRF3\12042000\I653755.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Eisinger, Dominic P.
4 Stiles, Lynn
5 LaMarche, Arthur
6 Jelinek, Thomas
8 <120> TITLE OF INVENTION: Recombinant Monoclonal Antibody Specific for
9 Phosphotyrosine-Containing Proteins
11 <130> FILE REFERENCE: 724650-3
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/653,755
C--> 14 <141> CURRENT FILING DATE: 2000-08-10
16 <160> NUMBER OF SEQ ID NOS: 12
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1365
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence:cDNA for heavy
27 chain of recombinant antibody
29 <400> SEQUENCE: 1
30 qaggcccaagc tgcarcagtc tggacctgaa ctgggtgaagc ctggggcttc agtqatgate 60
31 tcctcgagca cttctgcata cacatctact gaaaacacccg tgcactgggt guagcagagc 120
32 catggagaga gccttgatgt gattggaggt attaatectt actatgggtt ttctatcttc 180
33 agccccaaatgt tcaaggccaa gcccacatttgc actgttagaca agtcctccag cacacgctac 240
34 atggagctcc gcaqccgtac atctggaggat tctgcagtctt attactgtgc aagaagggtt 300
35 gggggctact actttgacta ctggggccaa ggcacccactc tcaacgtctc ctcajccaaa 360
36 acaacacccc catcagtcata tccactggcc cctgggtgtt gagatataac tggttccctcc 420
37 gtqactctgg gatgcctgtt caagggttac ttccctgtt cagtgtactgtt gacttggaa 480
38 tctggalccc tgccageag tgcacaccaccc tccctggatc tccctgcgtt tggactctac 540
39 actatgagca gtcagtgac tgcacccctcc agcacccgttca agtgcacac cgttccaccc 600
40 agcqttgttcc accccacccg cagcacccaaatgttggacaaaa aacttggatcc cagcggcccc 660
41 atticaacaaatccatcataccatc aayqagtgtc aacaatgtcc agtcccttaac 720
42 ctccgggtt gaccatccgtt ctccatcttc cttccaaata tcaaggatgtt actcatgtt 780
43 tccctggatc ccaagggttac gtgtgtgggtt gtggatgtt gatggatgtt cccagacgtt 840
44 cagatcagttt ggttgttggaa caacgtggaa gtacacacag ctcagacacaca aacccataga 900
45 gaggattaca acagtactat ccgggtggtc agcaccctcc ccatccagca ccaggactgg 960
46 atqagtggca aggagltcaa atqcaaggltt aacaacaaatccatc accccatcgaa 1020
47 agaaccatcat caaaattaa aagggttgc agatgtccatc aagtataatcat tttggcccca 1080
48 ccacccatgttccatc gaaagatgtt agtctactt cttccgttgcgtt gggcttcaac 1140
49 cctggagaca tcaagtgtggaa gtggaccacgtt aatggggcata cagaggagaa ctacaaggac 1200
50 accgcaccatc tccctggatc tgcgttgcgtt tacttcatat atagcaatgtt caaatgtaaa 1260
51 acaaggcaatgtt gggagaaaaatgttccatc tcatgttgcgtt tgatggacacgtt gggcttggaaa 1320
52 aattactacc tgaagaagac catctcccggtt tccctggatc aatgtt 1365
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 645
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:

Q. b

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 PATENT APPLICATION: US/09/653,755 TIME: 14:14:25
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61 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA for light
 62 chain of recombinant antibody
 64 <400> SEQUENCE: 2
 65 gaaaatgtgc tccccggc tccagcaatc atgttgcatt ctccaggggaa aaaggctacc 60
 66 atgacgtcgaa ggcccgatc aqgtgttgtt tcacgtttact tgcactgttgc tggcagaag 120
 67 tcagggtccct ccccaaaact ctggatttat aycacatcca acitggcttc tggatgtccct 180
 68 gtcgcgttca gtgcgttgq gtcgtggacc ttctacttc tcacaatccg cagtgtggq 240
 69 gctqaatq ctggcaatca ttactgcccag cagtcacgtq gtatccggac gttcgtgtga 300
 70 ggcaccaacg tggaaatcaa acgggtgtat gtcgttccat ctgtatccat cttccacca 360
 71 tccatgtggc agttaacatc tgggggtggc tcagtcgtgt gtcgttggaa caacttctac 420
 72 cccagaaqaca tcaatgtcaat gttggaaat gatggcgttgc aacgcacaaaa tgggtgtcc 480
 73 aacatgttggc ctgtatccggc cagcaaaagac aqgcacatcaca gcatgtggcag caccctccaca 540
 74 ttgaccaagg acgatgttgc acgacataaac aqctataacct gtgaggccac tcacaagaca 600
 75 tcaacttccac ccatcgtaa yagcttcaac aggaatgagt gttag 645
 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 1389
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA for heavy
 85 chain of recombinant antibody with 3'-histidine
 86 tag sequence
 88 <400> SEQUENCE: 3
 89 gaggtccggc tgcacgttc tggaccttcaa ctgggttgc acgtgtatgtata 60
 90 tccttccatggc ctgttcgtatcacatccatc gaaaacacccg tgcactgtgttgc aacgcac 120
 91 catggagaga ggcctgtggt gatggggat altaatccatc actatgggtgg ttcctatcc 180
 92 agcccaatgttcaatggccaa ggccacatccatc acgtgtatgtata acgtccatccatc 240
 93 atggagatccgc acgttcgttgc atctggatgtatc ttcgttgcgttgc attactgtgc aagaaggct 300
 94 ggggggttactt acttggatgttgc ctggggccaa ggcacccatc ttcacatgttgc ttcacatcc 360
 95 acaacacccatcatgttcaatccatc ctcactgtggcc ctcgttgcgttgc gagatataac tgggttcc 420
 96 gtgtatgttgc gatgttgcgttgc acagggttgc acgtgtatgttgc gatgttggatgttgc 480
 97 tctgttgcgttgc tggatgttgc ttcgttgcgttgc ttcgttgcgttgc ttcgttgcgttgc 540
 98 acatgtatgttgc gtcgttgcgttgc tggatgttgcgttgc acgtccatccatc acgtatgttgc 600
 99 agcgttgcgttgc accccatccatc ctcactgttgcgttgc acgtatgttgcgttgc ttcacatccatc 660
 100 atttcaacaa tcaacccatc ttcctccatc aagggttgcgttgc acaaatgttgcgttgc acgttgcgttgc 720
 101 ctcgttgcgttgc gatgttgcgttgc ttcactgttgc ttcactgttgc ttcactgttgc ttcactgttgc 780
 102 tccctgttgcgttgc acgtatgttgcgttgc ttcgttgcgttgc ttcgttgcgttgc ttcgttgcgttgc 840
 103 ctcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 900
 104 gaggttgcgttgc acatgttgcgttgc acgtatgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 960
 105 atgatgttgcgttgc aggttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1020
 106 agaaccatct caaaatattaa aagggttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1080
 107 ctcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1140
 108 ctcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1200
 109 accgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1260
 110 acaatgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1320
 111 aatttactacc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc ttcactgttgcgttgc 1380
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 115 <210> SEQ ID NO: 4
 116 <211> LENGTH: 454

RAW SEQUENCE LISTING DATE: 12/04/2000
 PATENT APPLICATION: US/09/653,755 TIME: 14:14:25

Input Set : A:\Mab4g10.app
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117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence:Amino acid
122 sequence for heavy chain of recombinant antibody
124 <400> SEQUENCE: 4
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126   1           5           10          15
128 Ser Val Met Ile Ser Cys Arg Thr Ser Ala Tyr Thr Phe Thr Glu Asn
129   20          25          30
131 Thr Val His Trp Val Lys Gln Ser His Gly Glu Ser Leu Glu Trp Ile
132   35          40          45
134 Gly Gly Ile Asn Pro Tyr Tyr Gly Gly Ser Ile Phe Ser Pro Lys Phe
135   50          55          60
137 Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
138   65          70          75          80
140 Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
141   85          90          95
143 Ala Arg Arg Ala Gly Ala Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
144   100         105         110
146 Thr Leu Thr Val Ser Ser Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro
147   115         120         125
149 Leu Ala Pro Gly Cys Gly Asp Thr Thr Gly Ser Ser Val Thr Leu Gly
150   130         135         140
152 Cys Leu Val Lys Gly Tyr Phe Pro Glu Ser Val Thr Val Thr Trp Asn
153   145         150         155         160
155 Ser Gly Ser Leu Ser Ser Ser Val His Thr Phe Pro Ala Leu Leu Gln
156   165         170         175
158 Ser Gly Leu Tyr Thr Met Ser Ser Ser Val Thr Val Pro Ser Ser Thr
159   180         185         190
161 Trp Pro Ser Gln Thr Val Thr Cys Ser Val Ala His Pro Ala Ser Ser
162   195         200         205
164 Thr Thr Val Asp Lys Lys Leu Glu Pro Ser Gly Pro Ile Ser Thr Ile
165   210         215         220
167 Asn Pro Cys Pro Pro Cys Lys Glu Cys His Lys Cys Pro Ala Pro Asn
168   225         230         235         240
170 Leu Glu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Asn Ile Lys Asp
171   245         250         255
173 Val Leu Met Ile Ser Leu Thr Pro Lys Val Thr Cys Val Val Val Asp
174   260         265         270
176 Val Ser Glu Asp Asp Pro Asp Val Gln Ile Ser Trp Phe Val Asn Asn
177   275         280         285
179 Val Glu Val His Thr Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn
180   290         295         300
182 Ser Thr Ile Arg Val Val Ser Thr Leu Pro Ile Gln His Gln Asp Trp
183   305         310         315         320
185 Met Ser Glu Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Asp Leu Pro
186   325         330         335
188 Ser Pro Ile Glu Arg Thr Ile Ser Lys Ile Lys Gly Leu Val Arg Ala

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/653,755

DATE: 12/04/2000
TIME: 14:14:25

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Output Set: N:\CRF3\12042000\1653755.raw

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189      340      345      350
191 Pro Gln Val Tyr Ile Leu Pro Pro Ala Glu Gln Leu Ser Arg Lys
192      355      360      365
194 Asp Val Ser Leu Thr Cys Leu Val Val Gly Phe Asn Pro Gly Asp Ile
195      370      375      380
197 Ser Val Glu Trp Thr Ser Asn Gly His Thr Glu Glu Asn Tyr Lys Asp
198 385      390      395      400
200 Thr Ala Pro Val Leu Asp Ser Asp Gly Ser Tyr Phe Ile Tyr Ser Lys
201      405      410      415
203 Leu Asn Met Lys Thr Ser Lys Trp Glu Lys Thr Asp Ser Phe Ser Cys
204      420      425      430
206 Asn Val Arg His Glu Gly Leu Lys Asn Tyr Tyr Leu Lys Lys Thr Ile
207      435      440      445
209 Ser Arg Ser Pro Gly Lys
210      450
213 <210> SEQ ID NO: 5
214 <211> LENGTH: 214
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence:Amino acid
220     sequence for light chain of recombinant antibody
222 <400> SEQUENCE: 5
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224   1          5          10         15
226 Glu Lys Val Thr Met Thr Cys Arg Ala Ser Ser Ser Val Ser Ser Ser
227      20          25          30
229 Tyr Leu His Trp Tyr Arg Gln Lys Ser Gly Ala Ser Pro Lys Leu Trp
230      35          40          45
232 Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser
233      50          55          60
235 Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Val Glu
236      65          70          75          80
238 Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Gly Tyr Arg
239      85          90          95
241 Thr Phe Gly Gly Ile Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala
242      100         105         110
244 Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly
245      115         120         125
247 Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Arg Asp Ile
248      130         135         140
250 Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu
251 145      150      155      160
253 Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser
254      165         170         175
256 Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr
257      180         185         190
259 Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser
260      195         200         205

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/653,755

DATE: 12/04/2000
TIME: 14:14:25

Input Set : A:\Mab4g10.app
Output Set: N:\CRF3\12042000\I653755.raw

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262 Phe Asn Arg Asn Glu Cys
263      210
266 <210> SEQ ID NO: 6
267 <211> LENGTH: 462
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence:Amino acid
273 sequence for heavy chain of recombinant antibody
274 with C-terminal histidine tag sequence
276 <400> SEQUENCE: 6
277 Glu Val Gin Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
278    1          5          10          15
280 Ser Val Met Ile Ser Cys Arg Thr Ser Ala Tyr Thr Phe Thr Glu Asn
281        20          25          30
283 Thr Val His Trp Val Lys Gln Ser His Gly Glu Ser Leu Glu Trp Ile
284        35          40          45
286 Gly Gly Ile Asn Pro Tyr Tyr Gly Ser Ile Phe Ser Pro Lys Phe
287        50          55          60
289 Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
290       65          70          75          80
292 Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
293        85          90          95
295 Ala Arg Arg Ala Gly Ala Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
296        100         105         110
298 Thr Leu Thr Val Ser Ser Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro
299        115         120         125
301 Leu Ala Pro Gly Cys Gly Asp Ile Thr Gly Ser Ser Val Thr Leu Gly
302        130         135         140
304 Cys Leu Val Lys Gly Tyr Phe Pro Glu Ser Val Thr Val Thr Trp Asn
305       145         150         155         160
307 Ser Gly Ser Leu Ser Ser Ser Val His Thr Phe Pro Ala Leu Leu Gln
308        165         170         175
310 Ser Gly Leu Tyr Thr Met Ser Ser Ser Val Thr Val Pro Ser Ser Thr
311        180         185         190
313 Trp Pro Ser Gln Thr Val Thr Cys Ser Val Ala His Pro Ala Ser Ser
314        195         200         205
316 Thr Thr Val Asp Lys Lys Leu Glu Pro Ser Gly Pro Ile Ser Thr Ile
317        210         215         220
319 Asn Pro Cys Pro Pro Cys Lys Glu Cys His Lys Cys Pro Ala Pro Asn
320       225         230         235         240
322 Leu Glu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Asn Ile Lys Asp
323        245         250         255
325 Val Leu Met Ile Ser Leu Thr Pro Lys Val Thr Cys Val Val Val Asp
326        260         265         270
328 Val Ser Glu Asp Asp Pro Asp Val Gln Ile Ser Trp Phe Val Asn Asn
329        275         280         285
331 Val Glu Val His Thr Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn
332       290         295         300

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09/53,755 6

<210> 8
<211> 80
<212> DNA
<213> Artificial Sequence

<400> 8

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atgtccagag gaaaaatgt 80

see item 12 on Env Summary Sheet

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VERIFICATION SUMMARY DATE: 12/04/2000
PATENT APPLICATION: US/09/653,755 TIME: 14:14:26

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Output Set: N:\CRF3\12042000\I653755.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:384 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:384 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: